

## DISC STABILIZATION SYSTEM

### ABSTRACT OF THE DISCLOSURE

A disc stabilization system comprises a spinning disc with a disc surface  
5 deflectable by shock. The disc surface is in contact with a gas layer adjacent the  
disc surface. When the suspension system is subjected to a mechanical shock, the  
disc can deflect. The amplitude and duration of the deflection due to mechanical  
shock is limited by a wing feature. The wing feature includes an aerodynamic  
surface that interacts with the gas layer to generate an aerodynamic force on the  
10 disc surface. A strut supports the wing feature over the disc surface in a position  
such that the aerodynamic force increases as the disc surface deflects toward the  
aerodynamic surface.